

**EXPERIMENTAL PROJECT
FOR THE EVALUATION OF CRACK-SEALING MILLED PAVEMENT IN THE
EFFORT TO REDUCE TRANSVERSE CRACKING
Annual Report**

Location: Teton County, Interstate 15, milepost 312; Northbound Lanes

Project Number: Dutton N & S IM 15-6(35)309

Type of Project: Crack-sealing of Milled AC Pavement

Principal Investigator: Craig Abernathy
Experimental Project Manager

Date Constructed: August 2005

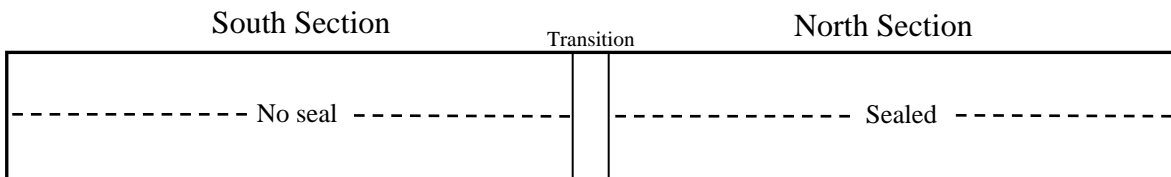
Evaluation Date: June 2007

Objective

To determine if crack sealing milled pavement prior to overlay will deter the migration of transverse cracking, or have an effect on pavement performance, when compared to an adjacent milled pavement that receives no crack sealing.

Experimental Design

Two 1000 ft. sections were delineated during construction in the northbound lanes at approximately milepost 312. One section (north) received the normal crack seal procedure and the second section (south) received no treatment. A 100 ft. transition zone separates the two sections. As cracking becomes visible, a crack map of the sections will be completed to compare the progression of cracks to both sites.



Northbound I-15

Analysis

This project was constructed during the summer of 2005. As expected no cracks have appeared since construction. The project has been chipped sealed with no visible distress to report. The following images are sample shots during construction and project performance to date.



Grinding in process



Depth and width of
grind



Sealed with Crafc
Hot-applied Modified
Asphalt Sealant

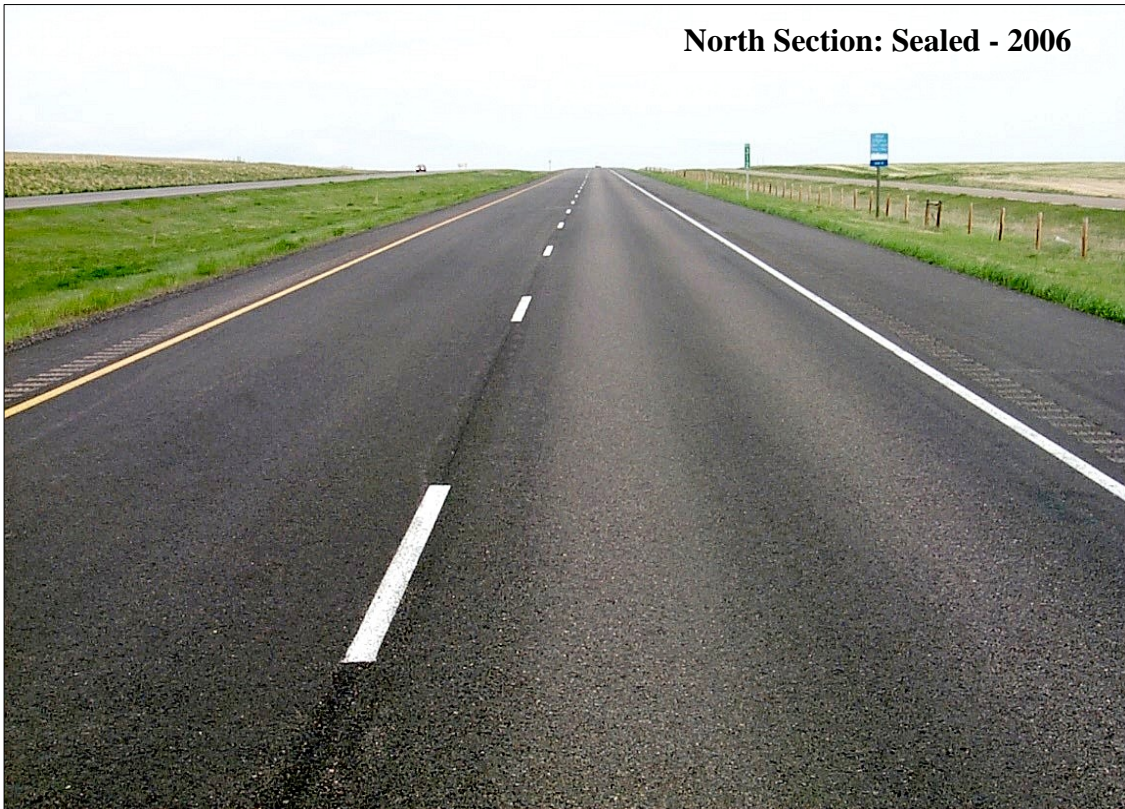


Prior to construction - 2005

South Section: No Seal - 2006



North Section: Sealed - 2006





The next scheduled evaluation is in summer of 2008. To view this report online and other experimental projects go to: <http://www.mdt.mt.gov/research/projects/dutton.shtml>.